Applicants: Chris E. Matichuk and Scott A. Rosenberg

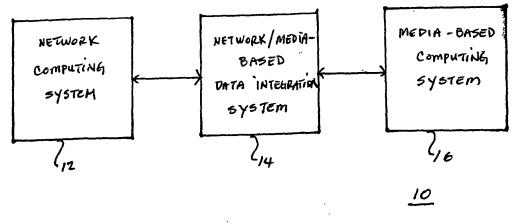
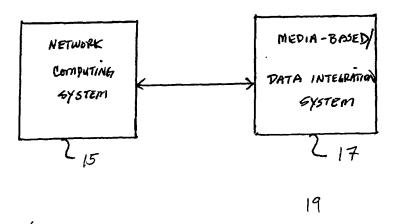
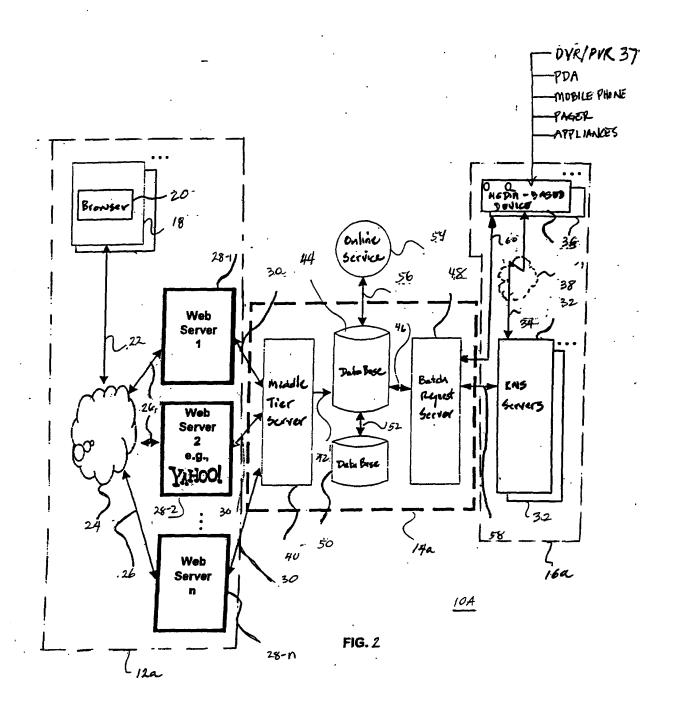


FIG. IA

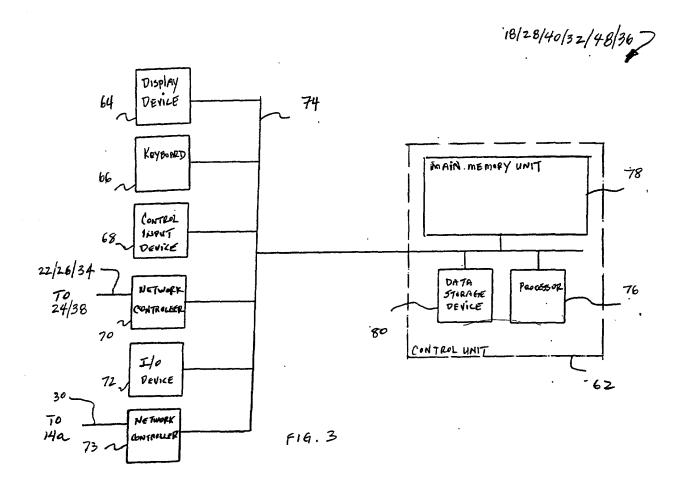


F19.18

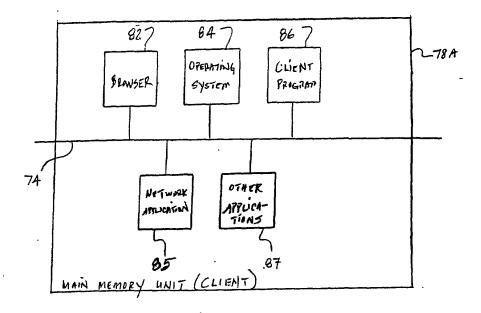
Applicants: Chris E. Matichuk and Scott A. Rosenberg



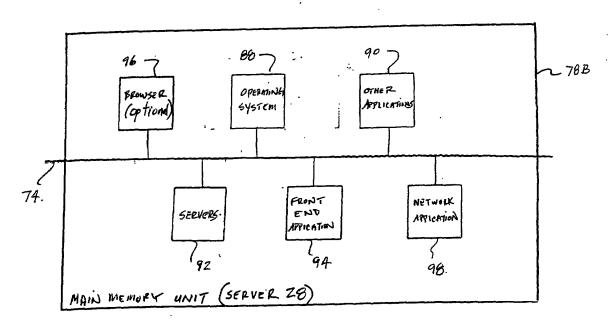
Applicants: Chris E. Matichuk and Scott A. Rosenberg



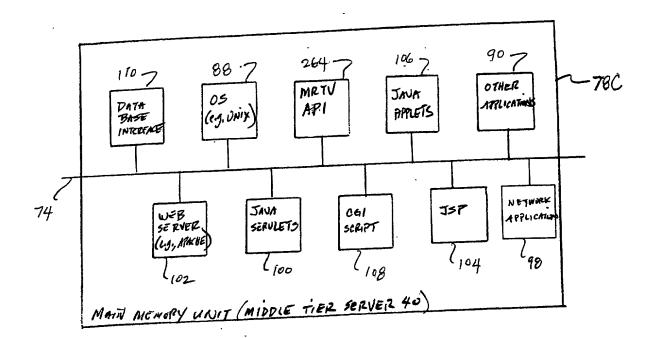
Applicants: Chris E. Matichuk and Scott A. Rosenberg



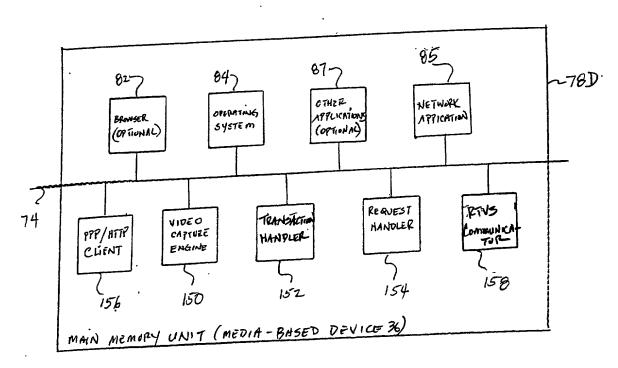
F14. 4A



F16.4B

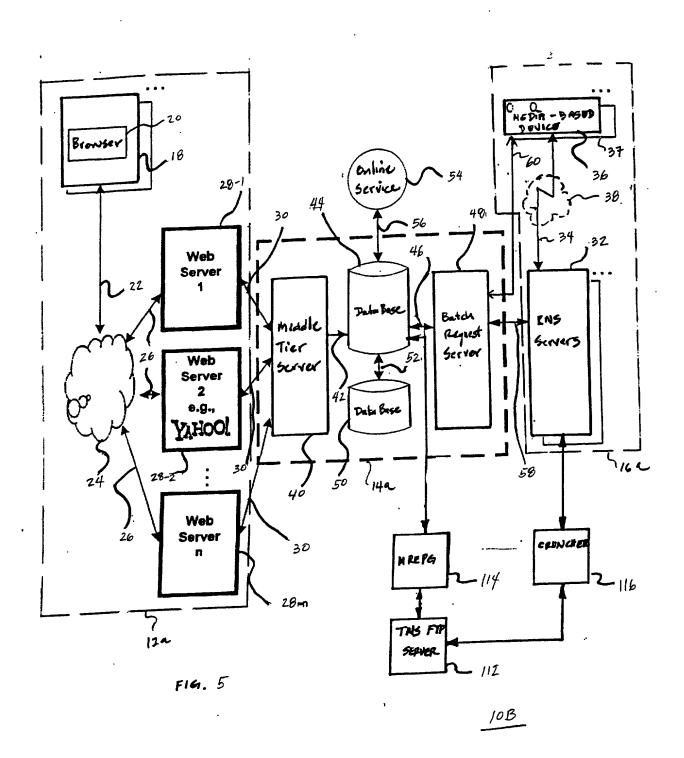


F16, 4C.

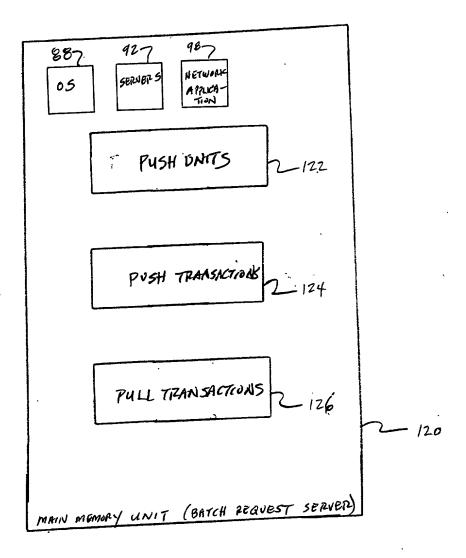


F16.4D

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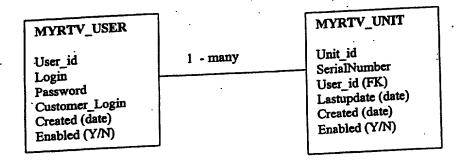


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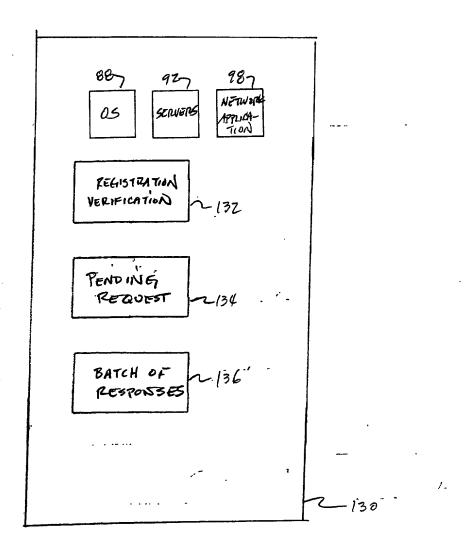
F16, 6

Applicants: Chris E. Matichuk and Scott A. Rosenberg

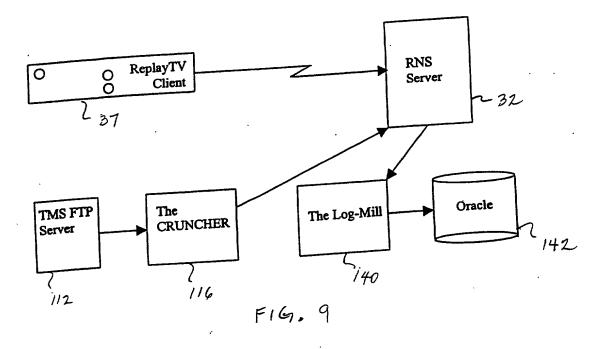


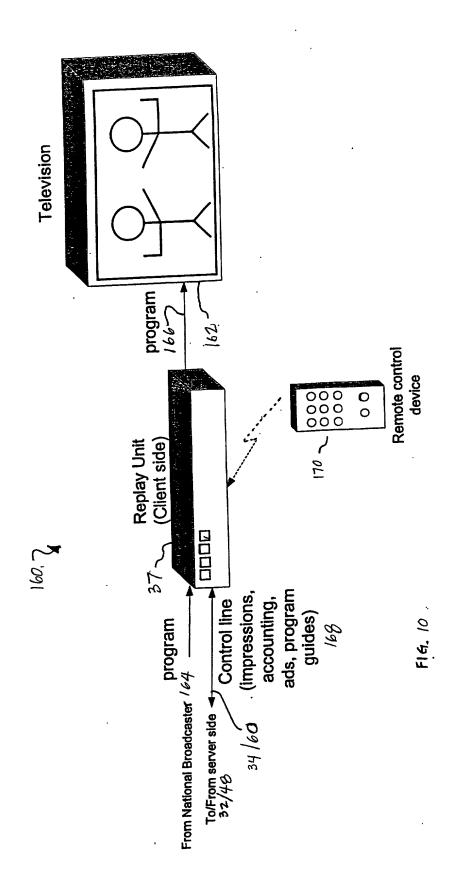
F16, 7

Applicants: Chris E. Matichuk and Scott A. Rosenberg



F16.8





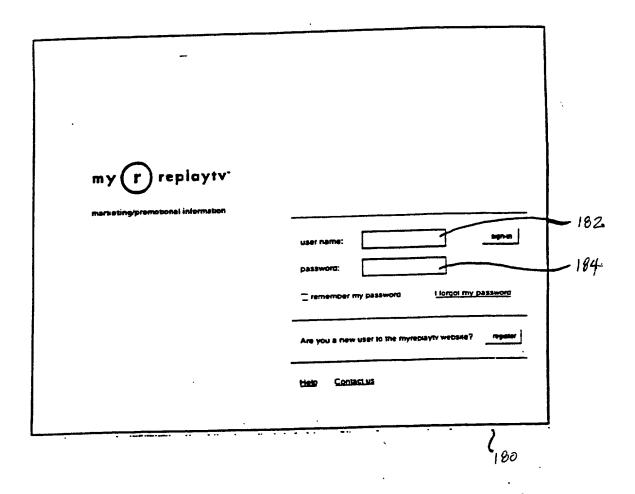
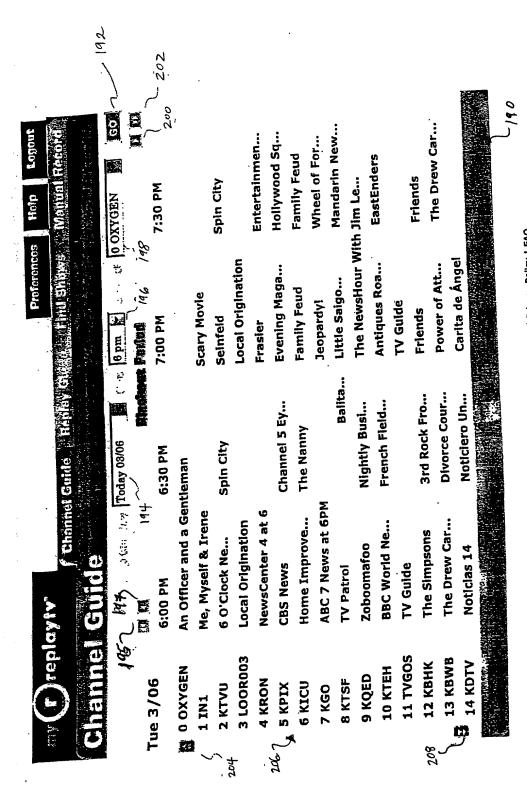


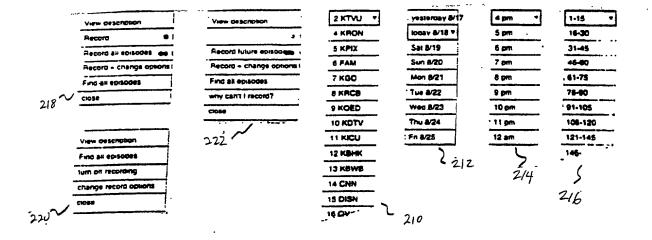
FIG. 11

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FI 4. 12B

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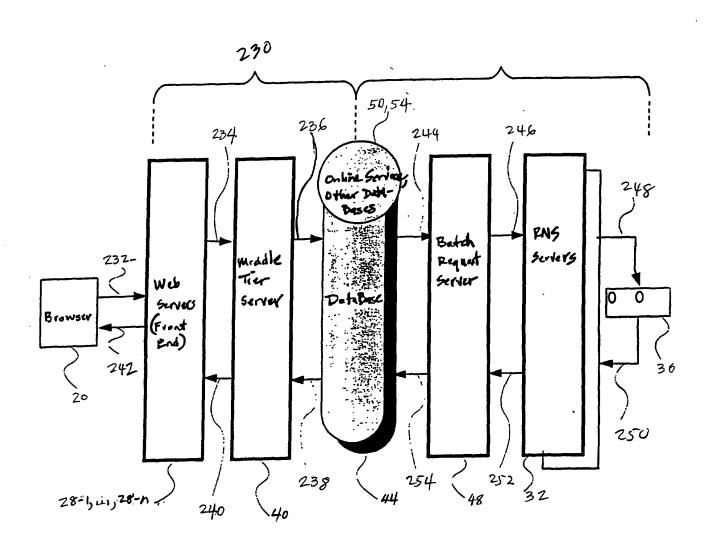


FIG. 13 A

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Docket No.: 22407-05676US

SEQUENCE DIAGRAM

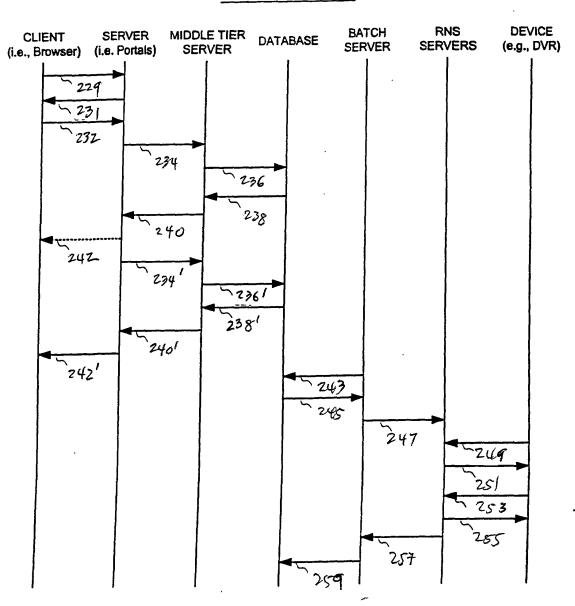


FIG. 13B

| API Routine | Function |
|------------------|--|
| CreateAccount | Creates an account for a new user based on the information received |
| Login | Tries to authenticate a user based on the input username and password combination |
| GetProfile | Returns the profile of the user and his units based on his userid |
| AddRequest | Adds a request to the unit's list of pending requests based on a set of request parameters, and returns the full status of the unit and of the pending requests, including those for recording specified show(s) and deleting recorded show(s) |
| DeleteRequest | Delete a request from the user list of pending requests |
| GetReplayGuide | Returns the Replay Guide of the unit as saved in the appropriate database for the specified unit |
| GetChannelLineUp | Returns the channel lineup of the unit based on the unit's settings |
| ChangePassword | Lets the user changes his password |
| GetEPG | Returns the current electronic program guide for the unit based on the settings of the unit |
| ShowGuide | Returns detailed information about a specified show or search show details for particular shows based on criteria given as parameters |

| API Routine | Input Parameters | Output Files (Corresponding XML elements) |
|------------------|--|---|
| CreateAccount. | le, address 1, address 2, city, state, zipcode, | ACCOUNT.XML REPLAYERROR.XML |
| Login | | ACCOUNT.XML REPLAYERROR.XML |
| GetProfile | userid | PROFILE.XML (USERINFO, UNITINFO-I) REPLAYERROR.XML |
| AddRequest | userid, unitid, reqtype(none, show, theme, update) reqtype=show; showtype(single, repeat, manual single, manual repeat), headendid, tmsid, device, starttimegmt, name, durationinminutes, inputsource, quality, guaranteedrecord, numepisodes, weekdayflags, earlystartminutes, | UNITSTATUS.XML (UNITINFO, REQUESTSTATUS-I) REPLAYERROR.XML *Note: REQUESTSTATUS Result:=(PENDING, SENT, SUCCESS, GENERAL FAILURE, SCHEDULEFAILURE, ROOMFAILURE) |
| | showguarminutes reqtype=theme; searchterm, searchflags, suzukild, durationinminutes, quality, guaranteedrecord reqtype=update; updatetype(deleteshow, preserveshow, | |
| DeleteRequest | userid, unitid, requestid | DELETERESULT.XML REPLAYERROR.XML |
| GetReplayGulde | userid, unitid | GUIDE.XML (REPLAYCHANNEL-1) REPLAYERROR.XML *Note: REPLAYCHANNEL Type:=(SINGLE, SINGELMANUAL, REPEAT, REPEATMANUAL, THEME, THEMEEXACT, ZONE) |
| GetChannelLineUp | userid, unitid | CHANNELLINEUP.XML (CHANNELY) REPLAYERROR.XML |
| ChangePassword | userid, currentpassword, newpassword | REPLAYERROR.XML |
| GetEPG | userid, unitid, starttimegmt, durationinminutes, startchannei, channelcount | REPLAYERROR.XML |
| ShowGuide | userid, unitid, query, start, count, levelofdetail *Note: query keywords include actor, advisory, desc, mpaarating, title, etc. | REPLAYERROR.XML |
| | | |

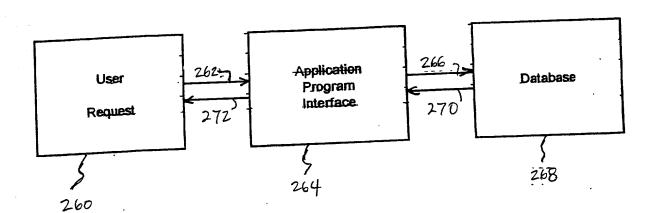
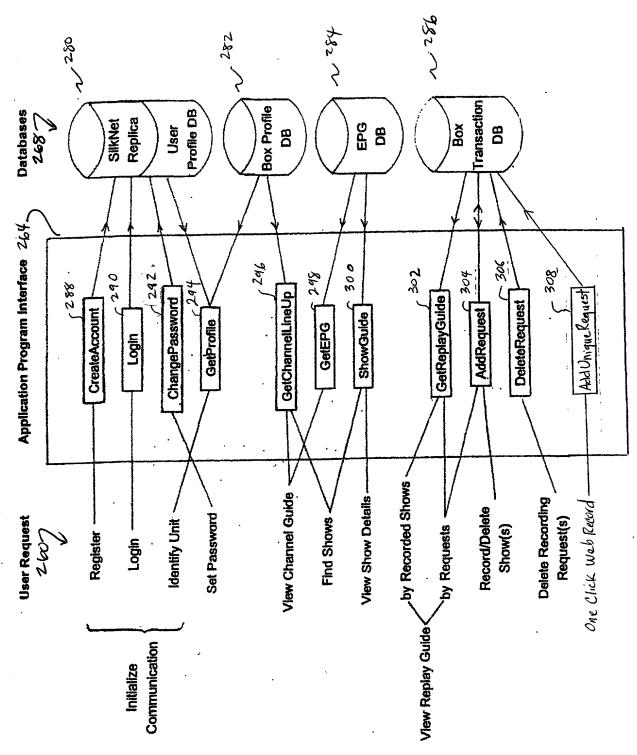


FIG. 16A

Title: One Click Web Records
Applicants: Chris E. Matichuk and Scott A. Rosenberg



Applicants: Chris E. Matichuk and Scott A. Rosenberg

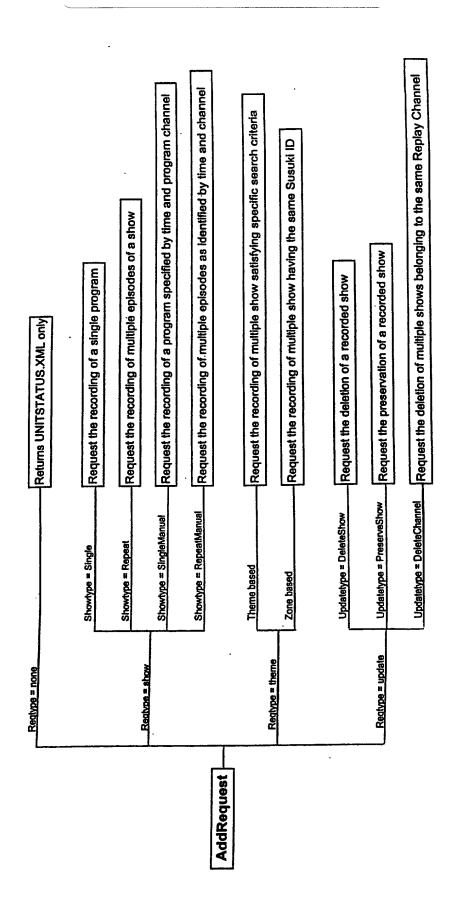


FIG.

Applicants: Chris E. Matichuk and Scott A. Rosenberg

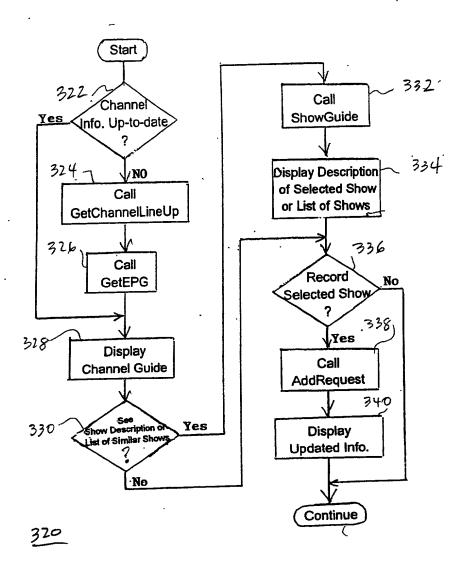


FIG. 18

Request Date

02/18

then and adia year arecains san recurring that they in required

| Polene Sugared Changes | | |
|------------------------|--|--------|
| Channel | Details | Status |
| C A Fistful of Dollars | This single record Replay channel was scheduled to record A Fistful of Dollars from Channel 21(TBS) on Sun, 02/18 at or around 7:00AM - 9:00AM. Guaranteed at EXTENDED quality. | |
| ☐ Blown Away | This single record Replay channel was scheduled to record Blown Away from Channel 42(USAP) on Tue, 01/16 at or around 9:00PM - 11:30PM. Guaranteed at EXTENDED quality. Nothing else is scheduled to record. | |
| ☐ Cantonese News | This show-based Replay channel will continuously record the 1 most current episode(s) of Cantonese News occurring every (Sun, Mon, Tue, Wed, Thu, Fri, Sat) on Channel 8(KTSF) at or around 8:00PM - 9:00PM. Guaranteed at EXTENDED quality. | · |
| ☐ Captain January | This single record Replay channel was scheduled to record Captain January from Channel 49(AMC) on Tue, 01/09 at or around 3:30AM - 5:00AM. Guaranteed at EXTENDED quality. Nothing else is scheduled to record. | • |

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Docket No.: 22407-05676US

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8.07% 6.46% 6.46% 4.84% 6.46% 8.07% **Duration Size** (15m)(1h 55m) (1h 45m) (3h 30m) (zh 30m) (1h 30m) (2h 30m) (2h) (2h) (2h) **42 USAP** 37 TNTP **49 AMC** 49 AMC Station 42 USAP 4 KRON 49 AMC 21 TBS **21 TBS** 09/08 10:49AM 12/18 1:05PM The Little Princess 12/26 4:15AM 12/24 8:00AM 02/04 8:00PM 01/07 9:00PM 02/27 8:00PM 01/09 3:30AM 02/18 7:00AM 01/16 9:00PM Date/Time The Bridge on the On Deadly Ground A Fistful of Dollars The Trouble With Captain January Welcome to ReplayTV **Blown Away** River Kwai Title/Episode Firewalker Platoon Harry Show 匚 L Welcome to ReplayTV The Trouble on the River With Harry **Blown Away** The Bridge The Little Princess On Deadly Ground A Fistful of Dollars Firewalker Channel Platoon January Captain Kwal

11.30%

囚 6 FIG.

2.42%

6.19%

5.65%

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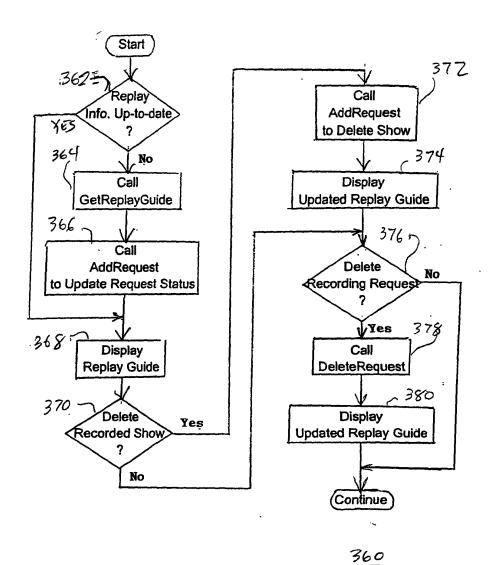


FIG. 20

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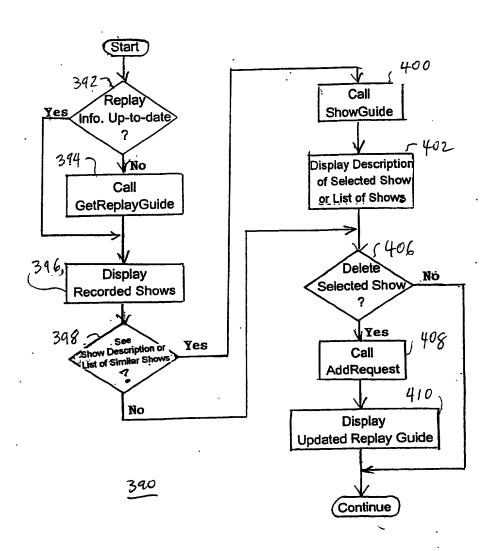


FIG. 21

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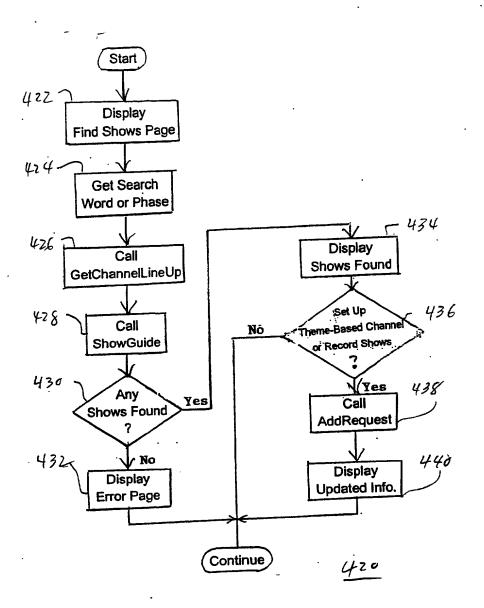
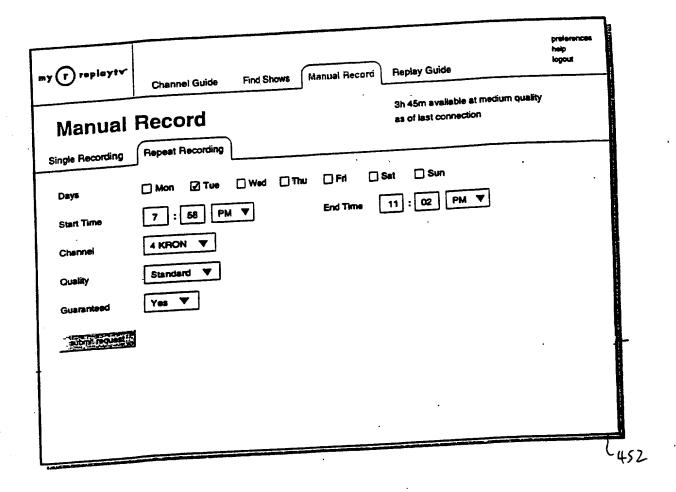


FIG. 23

Recording duration: Extended 0 OXYGEN Mar Yes Guaranteed Start Date **Start Time End Time** Channel Quality

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F1G, 24B

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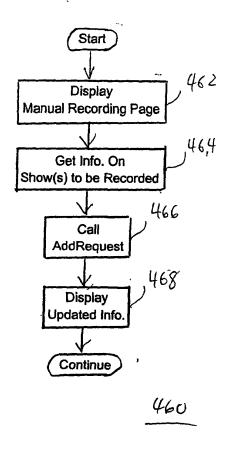


Fig. 25

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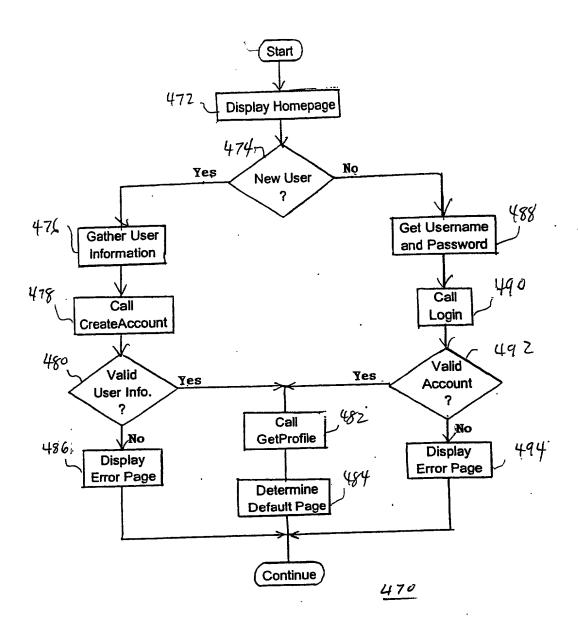
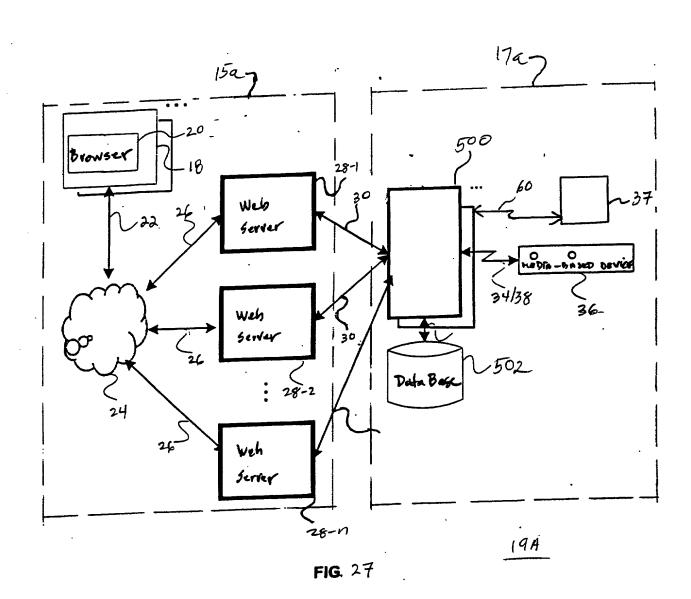
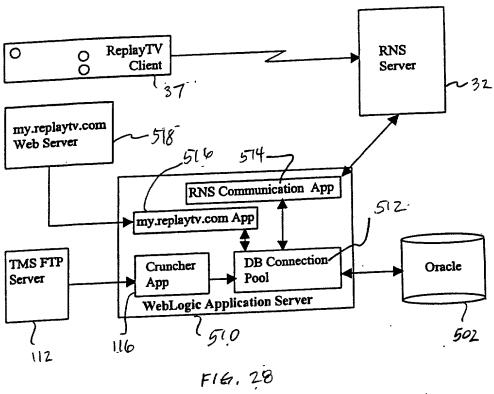


FIG. 26

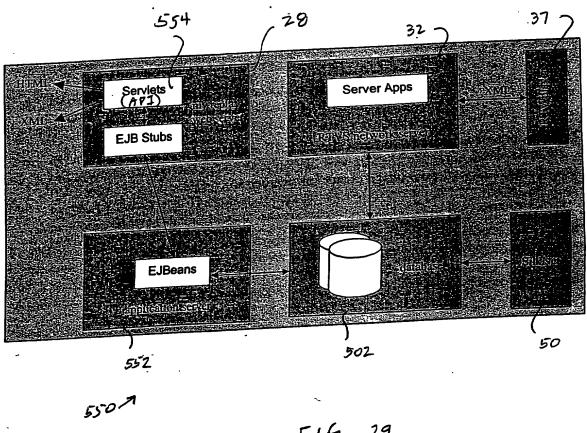
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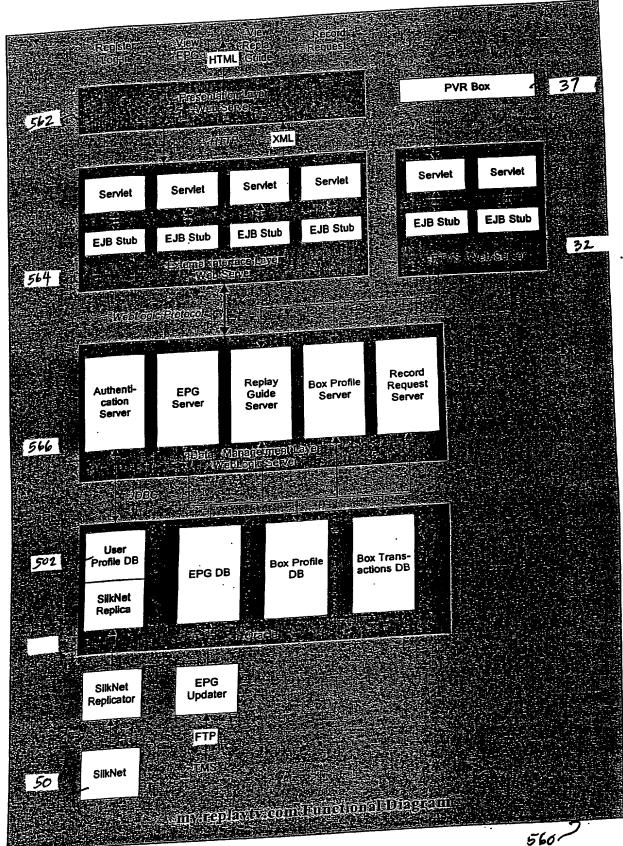


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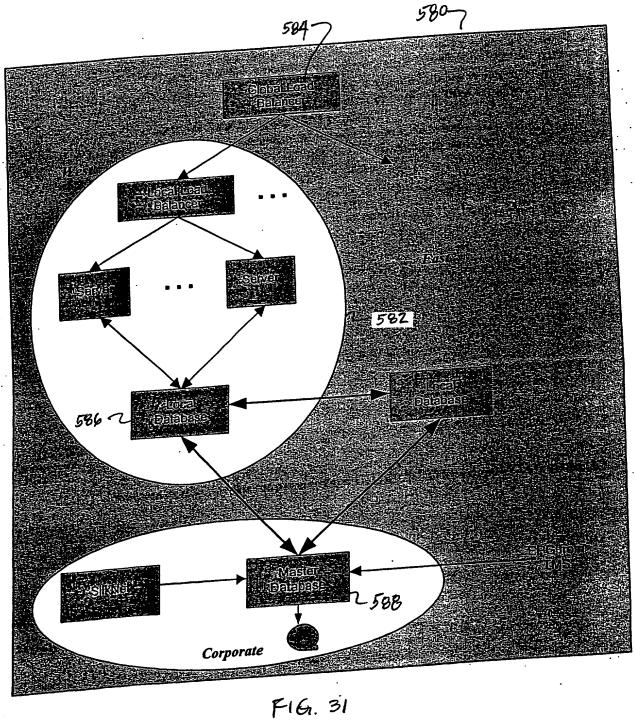


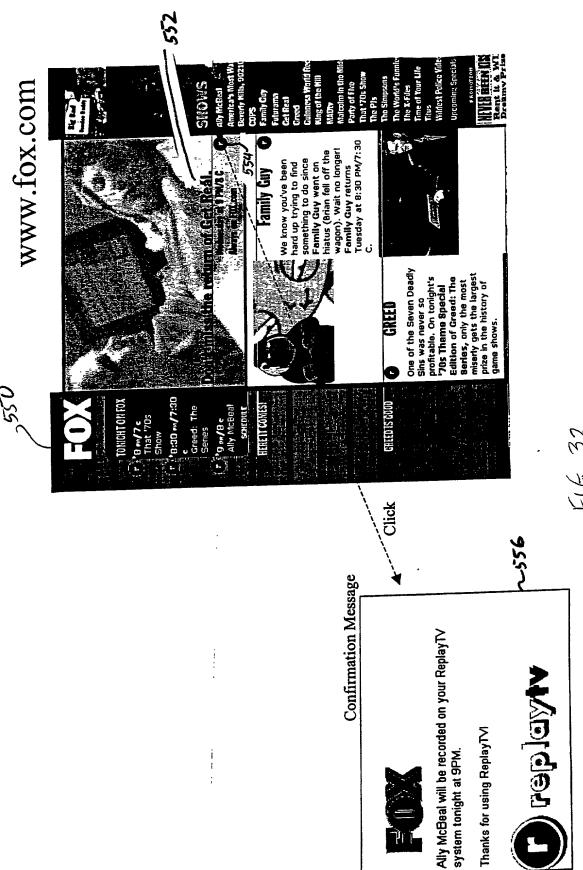
F19.29

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F16, 30





FIE, 32

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